

## CLAIMS

1. A lens stocking apparatus capable of stocking a plurality of lenses, comprising:

5 a first stage for transfer, on which a plurality of trays each accommodating a lens are mountable;

a second stage for reception, capable of vertically moving, on which a plurality of trays each accommodating a lens are mountable by being vertically stacked;

10 a tray movement unit that includes a holding portion for holding a tray, the tray movement unit moving a tray from the first stage to the second stage; and

a guide unit that guides a position of at least a topmost one of trays stacked on the second stage.

15 2. The lens stocking apparatus according to claim 1, wherein the guide unit guides the position of the topmost tray when a tray moved by the tray movement unit from the first stage is stacked on trays already stacked on the second stage.

20 3. The lens stocking apparatus according to claim 2, wherein the guide unit includes a guide member provided in the holding portion.

4. The lens stocking apparatus according to claim 3, wherein  
25 the holding portion includes two clamp arms for holding a tray therebetween,

the guide member is provided in each of arms and has

a vertical length sufficient so that the guide member downwardly protrudes from a bottom surface portion of a tray held by the arms, and

the guidemember abuts against the topmost tray and guides  
5 the position of the topmost tray when the held tray is stacked on trays already stacked on the second stage.

5. The lens stocking apparatus according to claim 3, further comprising a second guide member provided in the holding  
10 portion for guiding a position of a tray held by the holding portion.

6. The lens stocking apparatus according to claim 2, wherein the guide unit includes a guide member fixed to guide the  
15 position of the topmost tray when the topmost tray on the second stage is moved by moving the second stage to a height, at which a tray to be moved from the first stage can be stacked on the topmost tray.

20 7. The lens stocking apparatus according to claim 1, wherein the first stage includes a stage capable of vertically moving, on which a plurality of trays are mountable by being vertically stacked, or a stage capable of horizontally moving, on which a plurality of trays are mountable by being horizontally  
25 arranged.

8. A lens processing system including the lens stocking

apparatus according to claim 1, comprising:

a lens processing apparatus for processing an edge of  
a lens; and

a lens conveying apparatus for conveying an unprocessed  
5 lens, which is stocked in the stocking apparatus, from the  
stocking apparatus to the processing apparatus so as to process  
the unprocessed lens in the processing apparatus, and for  
convey the lens, which is processed in the processing apparatus,  
from the processing apparatus to the stocking apparatus so  
10 as to stock the processed lens again in the stocking apparatus.

9. The lens processing system according to claim 8, wherein  
a tray for accommodating the unprocessed lens is mounted  
on the first stage of the stocking apparatus,

15 a tray for accommodating the processed lens is mounted  
on the second stage of the stocking apparatus,

the lens conveying apparatus conveys the unprocessed  
lens from the tray mounted on the first stage and conveys  
the processed lens to the same tray mounted on the first stage,  
20 and

the tray movement unit moves the tray, which accommodates  
the processed lens, from the first stage to the second stage.